CLAIMS

1. A method of stabilizing a clayey geological formation surrounding a hydrocarbon well comprising the step of injecting from a surface reservoir a fluid comprising a first and a second reactant, letting said fluid contact said clayey formation; and stabilizing said formation by using a reaction between said first and said second reactant, wherein said reaction of said first and said second reactant is essentially initiated in the presence of said clayey material.

SUB a1

2. The method of claim 1, wherein the reaction is characterized by substrate intercalation or condensation stabilization with or without pH adjustment or stabilization through epoxide ring opening under neutral or acidic conditions or substrate in-situ polymerization or a combination thereof.

3. The method of claim 1, wherein the first reactant is a diamine or a polyhydric alcohol and the second reactant comprises at least one carbonyl group.

4. The method of claim 1, wherein the first reactant is a diamine or a dihydric alcohol and the second reactant comprises at least one carbonyl group.

5. A method of drilling a wellbore into a potentially hydrocarbon bearing formation comprising the steps of drilling part of said wellbore through a clayey formation and using a method in accordance with claim 1 to stabilize said formation.

Add a2